

evaporation, and besides are oftener subject and more exposed to leakage.

Sutcliffe says, speaking of the reservoirs on the Rochdale canal, to which we have already referred. "The reservoirs in the summer months sink one inch per day, when the cocks are shut close, and yet I think no reservoirs are more water tight than they are."

On the Languedoc canal we are informed that their reservoirs sink when they are closed on an average very nearly one half inch per day.

In view of these facts the undersigned do not think they are extravagant in supposing that the loss on Parr's ridge will be a fraction more than a half inch per day; that making the loss of one fourth allowed in their calculations.

Having arrived at conclusions, as to what constitutes a *due supply of water* and having satisfied themselves that this can only be had by collecting, throughout the whole year, the *entire flow of streams* that are the drainage of at least 54 1-3 square miles of surface, the next step is the application of these conclusions to the various summits upon Parr's ridge.

1st. The Linganore Route—Briggs estimated for two different elevations of summit—One 84 feet higher than the other. He unequivocally pronounces the higher one to be without a *due supply of water*, and the undersigned take ground that even his lower level will not have a sufficiency of water for a practicable canal. It remains for them to inquire:—Is there a *due supply of water* on Brigg's lower summit? They will quote from a report made to them by Mr. Gore, the gentlemen under whose immediate supervision the greater part of the surveys were made upon the Linganore and Westminster summits. He says:—"The survey of the basin of the Linganore summit, on the lower elevation, was nearly completed on the 23d of July 1836, when I was directed to report thereon, and being very nearly finished I was enabled to do so with much approximate accuracy, I accordingly reported that the extent of territory that could be made tributary to the supply of the summit level was, according to the information I then had, 19 1 2 square miles, I